

In the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

1 to 8. (Canceled)

1 9. (Currently Amended) The portable computer according to Claim 8
2 28, wherein the I/O ports comprise USB, AC-97, serial ports, floppy
3 disk controller (FDC), IEEE 1284, IEEE 1394 or memory expansion
4 interface ports.

1 10. (Currently Amended) The portable computer according to Claim
2 9, wherein the memory expansion interface ports are adapted to
3 interface with flash, multi-media card (MMC), smart media, smart
4 card, or memory stick memory devices.

1 11. (Currently Amended) The portable computer according to Claim 8
2 28, wherein the portable computer comprises a notebook computer,
3 personal digital assistant (PDA), or wearable computer.

12 and 13. (Canceled)

1 14. (Currently Amended) The portable computer according to Claim 8
2 28, wherein the LPC I/O bridge device further comprises a
3 packetizer/depacketizer coupled to the serialization logic and LPC
4 controller, and a system management (SM) bus controller, floppy
5 drive controller,
6 configuration and control registers, a watchdog timer, a fan
7 speed control and monitor, and an Advanced Configuration and Power
8 Interface (ACPI) coupled to the LPC controller.

15 to 20. (Cancelled)

1 21. (Currently Amended) The docking system according to Claim ~~19~~
2 32, wherein the I/O ports comprise USB, AC-97, Ethernet, or IEEE
3 1284, IEEE 1394, or memory expansion interface ports, wherein the
4 portable computer comprises a notebook computer, personal digital
5 assistant (PDA), or wearable computer, and wherein the docking
6 station comprises a port replicator or expansion chassis.

1 22. (Currently Amended) The docking station according to Claim 21,
2 wherein the memory expansion interface ports are adapted to
3 interface with flash, multi-media card (MMC), smart media, smart
4 card, or memory stick memory devices.

23 to 27. (Canceled)

1 28. (New) A portable computer comprising:
2 an I/O bus;
3 a plurality of I/O ports;
4 a docking connector including a low pin count serial I/O port;
5 a low pin count I/O bridge device coupled to said I/O bus and
6 said docking connector, said low pin count I/O bridge device
7 including:
8 an LPC controller coupled to said I/O bus and said
9 docking connector adapted
10 to detect whether the portable computer is coupled
11 to a docking station via said docking connector,
12 to route data transmissions from said I/O bus to
13 said I/O ports if the portable computer is not coupled to
14 a docking station via said docking connector, and
15 to route data transmissions from said I/O bus to
16 said low pin count serial I/O port of said docking

17 connector if the portable computer is coupled to a
18 docking station via said docking connector; and
19 serialization logic coupled to the LPC controller adapted
20 to serialize the data transmissions routed to said low pin
21 count serial I/O port of said docking connector.

1 29. (New) The portable computer according to Claim 28, further
2 comprising:

3 configuration and control registers, a watchdog timer, a fan
4 speed control and monitor, and an Advanced Configuration and Power
5 Interface (ACPI) coupled to said LPC controller.

1 30. (New) A docking system, comprising:

2 a portable computer including

3 an I/O bus;

4 a plurality of I/O ports;

5 a computer docking connector including a low pin count
6 serial I/O port;

7 a low pin count I/O bridge device coupled to said I/O bus
8 and said computer docking connector, said low pin count I/O
9 bridge device including:

10 an LPC controller coupled to said I/O bus and said
11 computer docking connector adapted

12 to detect whether the portable computer is
13 coupled to a docking station via said computer
14 docking connector,

15 to route data transmissions from said I/O bus
16 to said I/O ports if the portable computer is not
17 coupled to a docking station via said computer
18 docking connector, and

19 to route data transmissions from said I/O bus
20 to said low pin count serial I/O port of said

21 computer docking connector if the portable computer
22 is coupled to a docking station via said computer
23 docking connector; and
24 serialization logic coupled to the LPC controller
25 adapted to serialize the data transmissions routed to
26 said low pin count serial I/O port of said computer
27 docking connector; and
28 a docking station having a docking station docking connector
29 coupleable to said computer docking connector.

1 31. (New) The docking system according to Claim 30, further
2 comprising:
3 a packetizer/depacketizer coupled to said serialization logic
4 and said LPC controller.

1 32. (New) The docking system according to Claim 30, further
2 comprising:
3 a system management (SM) bus controller, and floppy drive
4 controller coupleable to said LPC controller.

1 33. (New) The docking system according to Claim 30, further
2 comprising:
3 configuration and control registers, a watchdog timer, a fan
4 speed control and monitor, and an Advanced Configuration and Power
5 Interface (ACPI) coupled to said LPC controller.